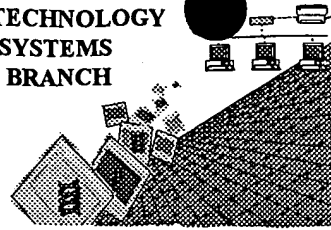


5040

BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/031,902
Source: PCT/10
Date Processed by STIC: 2/13/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER**
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/031,902

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



PCT10

RAW SEQUENCE LISTING

DATE: 02/13/2002

PATENT APPLICATION: US/10/031,902

TIME: 07:30:04

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Output Set: N:\CRF3\02132002\J031902.raw

pp. 3, 5

3 <110> APPLICANT: St Vincent's Institute of Medical Research
 5 <120> TITLE OF INVENTION: Inhibitor of Osteoclast Precursor Formation
 7 <130> FILE REFERENCE: FP13129
 9 <140> CURRENT APPLICATION NUMBER: US/10/031,902
 10 <141> CURRENT FILING DATE: 2002-01-18
 12 <150> PRIOR APPLICATION NUMBER: AU PQ1675
 13 <151> PRIOR FILING DATE: 1999-07-19
 15 <160> NUMBER OF SEQ ID NOS: 56
 17 <170> SOFTWARE: PatentIn version 3.0
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 20 <211> LENGTH: 21
 21 <212> TYPE: DNA
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 25 <223> OTHER INFORMATION: sense primer complementary to rat calcitonin cDNA
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 41 catgcattct cggttttttg tgttttatta cagaatttct taagcagata caaagggagt 180
 43 tttgattact ggatcggcct gcacagagag tctcagagc acccttgaa gtggacagac 240
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 70 cttactgctg ctacgtagtg atcattgtcc tcagtgttag ctgtagttct ctttctgttg 120

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING

DATE: 02/13/2002

PATENT APPLICATION: US/10/031,902

TIME: 07:30:04

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76 cattgagcca gaccctctgt aaggaacaag gggccgagct agcacgattt gacaccgagg 300
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117 ctttgtcagt aaaaaagaca gccaatgatct caaccataaa tacttatgct gcttgcccga 180
119 gaaactggat tggagttgga aataaatgtt tttattttta tgaaatacca agtaactgga 240
121 cattgagcca gaccctctgt aaggaacaag gggccgagct agcacgattt gacaccgagg 300
123 aggagctgaa tticctaagg agatacaaa ggagttcagg ttactggttc ggtctgcaca 360
125 gagagtcata agcgacacct tggaagtgga cagacaacac tgagtataac aactcggttt 420
127 ccatcggagg agatgaaaaa catggcttcc tgagtgacaa tgggttcagc agtggcaggg 480
129 gttatatagt gaggaagtcg atttgttaga agcccaacag ctacacctca cagtgcctgt 540
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143 tacttctgaa gagatgttcc cccacccac tctgagtatt tcccttctct tggactttag 960
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153 atgtagggca ttccccctgg gtagtagatg attgtatcaa ggttccctgaa taaactgctt 1260
155 gaagaaaaaa aaaaaaaaaa aagtactagt cgacgcgtgg cc 1302
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RAW SEQUENCE LISTING

DATE: 02/13/2002

PATENT APPLICATION: US/10/031,902

TIME: 07:30:04

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 168 ttgtcagtaa aaaagacagc caagatctca accataaata cttatgctgc ttgcccgaga 180
 170 aactggattg gagttggaaa taaatgtttt tattttaatg aaataccaag taactggaca 240
 172 ttgagccaga cctctgttaa ggaacaaggg gccgagctag cagcatttga caccgaggag 300
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 182 cattcggaac ctcccttaaa gttttgtcat cacagagcac ccaaaacagt cctcgaatca 600
 184 caggcccagt cccatccacc gttaaagcac ctttgagcaa ttttaataaga agtgcgtggt 660
 186 cccatgtgta aatgaataa aaacagaatt ggaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
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 194 <213> ORGANISM: Rattus rattus
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 201 ttgtcagtaa aaaagacagc caagatctca accataaata cttatgctgc ttgcccgaga 180
 203 aactggattg gagttggaaa taaatgtttt tattttaatg aaataccaag taactggaca 240
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 209 gagtcatcag cgcacccttg gaagtggaca gacaacactc agtataacta ctgcctttcc 420
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 213 tatgcagaca aaagatggag ctgtagcaaa cttaacagct atagcctcca atgcaaaact 540
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 230 gtttgatagc actttgggac cataggggaa agagtagcac ccacagataa caggctaaaa 180
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 242 tagtcccaca ggcagcccg caggtagaagt gggtaaaatt ctccaaggaa aaaggcacgg 540

see item 11 on Error Summary Sheet

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/031,902

DATE: 02/13/2002

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286 agttttcatg cctgagtgtc ccctgctgga taatggagta accctctgaa actgtaagca 1860
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299 <223> OTHER INFORMATION: unknown

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333 atcaggtaat actctttctg gccttaaatg actctgtgg caccagggaa ggatcagttt 960
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/031,902

DATE: 02/13/2002

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393 tggctggacc tgggtgacat gctgagacaa attagttagg cactgaaaag ccaacattgt 2760
395 tcatcagttg tagagggttt tgttagctaa aagcagacag gagtttacac tcttttcttc 2820
397 gatttggaaa gatttttgaa atcacagtgc agaacctgaa atcacaatga aaccaaacca 2880
399 ctccctttaca atctgaaggg gtttagaaat ctcccaagac ttccctttcta tagggagtgt 2940
401 gaggagggtt gaggagggtt cccagcagca catggctgag aggtgctggg gctggaaatg 3000
403 agcacaggcg aattttattt gctatcattt tatattctgt agaactagaa agaattaagg 3060
405 ctgggagttc tgtgtggatc caaaatgcaa aagctcagtg cttaaagcct tcttttctaat 3120
407 cctaaggctc ctttccctcc ttgttaatgt aatagaagct ttctggtatt ttaggtgtgc 3180
409 gaaaatgcac aaaatgcaag gattaaagtc agtgaaaact ctgtaaaaac tataattagc 3240
411 actcaataaa attaatcat ttggtataca tttctgtgaa ttttgaaaac atataatcag 3300
413 gtgtttctca ttaagataca taggggctgg agacttggct caaccactga gagcatttat 3360
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417 cctaattcca attccaggga tccaatatat tttctaaatt cctctaacag taatcatgca 3480
419 tgtagtacac tacatacata catacataca ttacattcac acattcttac atttagctga 3540
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425 cagacccatg agtagtcacc ttccagatg acttaaaatg ggtccatgaa gcagagaagt 3720
427 cccacaagag ttctttcagc ttgtcacagc aatgccttct gctcatcact cacagtgcag 3780
429 tgccaatcag tagtgtgtca gaaacatgca ctgctggtga gatgctgagg gatcataccc 3840
431 atagcatgcg ctacacagaa tcatgctctg agttcagaaa tttttaagaa tctcaccagc 3900
433 aaatactatg caaagagggt gtgaaaagct gtcaggaaac ttctagagaa gtgataggag 3960

```

Use of n and/or Xaa has been detected in the Sequence Listing.
 Review the Sequence Listing to insure a corresponding
 explanation is presented in the <220> to <223> fields of
 each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/031,902

DATE: 02/13/2002

TIME: 07:30:05

Input Set : A:\PCT-AU00-00864 Sequence Listing.txt

Output Set: N:\CRF3\02132002\J031902.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:22 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1
L:53 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:86 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5
L:98 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6
L:163 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:163 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:678 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:13
L:690 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:14
L:735 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:16
L:778 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:18
L:1239 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:22
L:1251 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:23
L:1263 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:24
L:1275 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:25
L:1288 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:26
L:1304 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:27
L:1316 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:28
L:1357 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:30
L:1369 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:31
L:1381 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:32
L:1456 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:34
L:1468 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:35
L:1548 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:1830 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:38
L:1842 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:39
L:1998 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:43
L:2121 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:47
L:2133 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:48
L:2149 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:49
L:2162 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:50
L:2174 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:51
L:2186 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:52
L:2198 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:53
L:2210 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:54
L:2222 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:55
L:2234 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:56